

19971126.qrp v00_n921.qrs.971126

Date: Wed, 26 Nov 1997 19:03:07 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 921

QRP-L Digest 921

Topics covered in this issue include:

- 1) [31328] Re: Mysterious Jewlers Rouge
by Roger Hightower <n7kt@dancris.com>
- 2) [31329] Re: Hello (new ham)
by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
- 3) [31330] NorCal / K8FF Paddles
by Niels Jensen Kristjansson <nkristja@cadvision.com>
- 4) [31331] Jewlers Rouge avail. at HOME DEPOT
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 5) [31332] Boy-oh-boy-oh-boy...
by Larry East <w1hue@amsat.org>
- 6) [31333] Re: Solar Summary 11-25/M1 flare
by Chris Cartwright <ccart@dns.vidtel.com>
- 7) [31333] FOX: N/T Fox Wed & Fri
by "Buck, Preston D" <BuckPD@corning.com>
- 8) [31334] Re: FOX Log 11/25/97 Fix #1
by Tim Pettibone <tpettibo@NMSU.Edu>
- 9) [31333] 10 meters mobile this weekend
by Mike Duke <K5xu@cris.com>
- 10) [31334] Re: Gophers ate my radials!
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 11) [31335] Re: Jewlers Rouge avail. at HOME DEPOT
by "Steve Hurst" <shurst@magiclink.com>
- 12) [31336] 12 Meters
by Kr0i2@aol.com
- 13) [31337] Re: Mysterious Jewlers Rouge
by "KA5T Larry Wise" <lewise@inetport.com>
- 14) [31338] Re: FOX: What a night! And audio file negligence
by Jess Gypin <jessgrp@concentric.net>
- 15) [31339] Re: Solar Summary 11-25/M1 flare
by Paul Harden <pharden@aoc.nrao.edu>
- 16) [31340] Gopher Wars
by David Gauding <david.gauding@bbs.galilei.com>
- 17) [31341] Re: Fox....
by "KA5T Larry Wise" <lewise@inetport.com>
- 18) [31342] Super Gainer, observations
by Steven Weber <kd1jv@moose.ncia.net>
- 19) [31343] How to QRP a Japan Radio Corp. JST245 ??

- by Fred Bennett <fbennett@iquest.net>
- 20) [31344] Carolina Windom
by Tony <tdavee@iglobal.net>
- 21) [31345] Fwd: FS: Wilderness Sierra w/KC-2 **REDUCED**
by N3BJ@aol.com
- 22) [31346] back issue of EDN
by "John Kirk, VE6XT" <jakirk@freenet.calgary.ab.ca>
- 23) [31335] Drilling holes in Altoids type tins
by WD6BOR@aol.com
- 24) [31335] Re: Vertical vs. Dipole
by Adrian Weiss <aweiss@sunflowr.usd.edu>
- 25) [31336] RE: Restating the Regen.
by "Edwin E. Albert" <ted.albert@worldnet.att.net>
- 26) [31337] WTB: Heath HM-9
by "Phillip S. Rutledge" <rut@mcrut.mv.com>
- 27) [31338] RE: K1MG on foxes, paddles...
by Adrian Weiss <aweiss@sunflowr.usd.edu>
- 28) [31339] Re: K1MG on foxes, paddles...
by "Tim Ahrens" <tahrens@inetport.com>
- 29) [31340] Re: K1MG on foxes, paddles...
by "Steve Hurst" <shurst@magiclink.com>
- 30) [31341] Re: The Exam
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 31) [31342] Unbeleavable.... /38 Special in Germany
by Scott Bauer <ke3nv@erols.com>
- 32) [31343] Re: QRP Clubs w/ QRP CALLS (WQ6RP)
by "Paul Carreiro, N6EV" <n6ev@badger1.net>
- 33) [31344] RFI-EMI spray
by n5inz@juno.com (John M Andrews)
- 34) [31345] re: Nor-Cal Paddles
by k5zty@juno.com
- 35) [31346] re: Vertical vs Dipole
by k5zty@juno.com
- 36) [31347] Re: FOX: N/T+ report: N0GLM from 19 Nov EST
by k5zty@juno.com
- 37) [31348] Re: Vertical vs. Dipole
by k5zty@juno.com
- 38) [31349] RE: Vertical vs Dipole
by "Brunner, David" <David.Brunner@Den.Galileo.com>
- 39) [31350] Re: Mysterious Jewlers Rouge
by mikemo@ibm.net
- 40) [31351] Re: Gopher Wars
by Steve Galchutt <n0tu@webaccess.net>
- 41) [31352] Re: Nor-Cal Paddles
by Paul Helbert <phelbert@rica.net>
- 42) [31353] Polishing brass parts
by Brian Cieslak <brianc@ams-i.com>
- 43) [31354] Re: Polishing brass parts

- by "Ron Smith" <resmith@primenet.com>
- 44) [31355] Re: Paddle wiring
by "(Parker) j@parker.reno.nv.us" <Pparker@greatbasin.net>
- 45) [31356] battery packs
by "CHARLES LESKIE" <CLESKIE@um-f1.umd.umich.edu>
- 46) [31357] Beacon Wizard - Freeware
by Brian Kassel <bkassel@dancris.com>
- 47) [31358] Re: Powder Coated Base Polishing
by Ed Loranger <we6w@qsl.net>
- 48) [31359] on-line specs query
by Jack Bryant <Jack.Bryant@math.tamu.edu>
- 49) [31359] re: Nor-Cal Paddles
by Monte Stark <ku7y@sage.dri.edu>
- 50) [31360] Re: on-line specs query
by Andy Fox <foxes@theriver.com>
- 51) [31361] More 15 meter fun today
by Bill Todd <bill@techline.com>
- 52) [31362] FS: Kenwood TS130V + access.
by N3BJ@aol.com
- 53) [31363] FS: 3 antennas-Puget Sound,WA area
by Bill Todd <bill@techline.com>
- 54) [31364] Re: K1MG on foxes, paddles...
by Ed Loranger <we6w@qsl.net>
- 55) [31364] Re: K1MG on foxes, paddles...
by Bob Patten <n4bp@shadow.net>
- 56) [31365] Re: K1MG on foxes, paddles...
by Ed Loranger <we6w@qsl.net>
- 57) [31365] battery packs
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
- 58) [31366] LED flashlights, wavelength(s)
by Philip Karras 827-2956 <PXXK4@CDRH.FDA.GOV>
- 59) [31366] Please don't attach files
by PDouglas12@aol.com
- 60) [31367] Diode question
by "Steve Hurst" <shurst@magiclink.com>
- 61) [31368] FS - Attn: FYBO & TTF participants
by "Bruce Barley" <lbbbarley@feist.com>
- 62) [31369] Re: Please don't attach files
by Niel Skousen <nskousen@scientechnology.com>
- 63) [31370] HW-9 - Some additional ideas (long)
by gsurrency@juno.com (Gary Surrency)
- 64) [31371] Re: NorCal / K8FF Paddles
by "William F. Nicolson Jr" <n2wf@erols.com>
- 65) [31372] FS: S&S ARK20, TAC-1/40, MFJ-9420 w/CW, partial A&A 20m rig
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 66) [31373] CQC Member Name Badges
by "Marshall Emm" <mgemm@mtechnologies.com>
- 67) [31374] RF Signal Generator Kit?

by Blair Heinzlmeir <blairh@agt.net>
68) [31374] Drilling holes in Altoids type tins (again)
by WD6BOR@aol.com
69) [31375] Re: RF Signal Generator Kit?
by Paul Harden <pharden@aoc.nrao.edu>
70) [31376] Inductor Marking
by Richard Sherman <srichard@aldus.northnet.org>
71) [31377] Re: Inductor Marking
by Chris Trask <ctrask@primenet.com>
72) [31378] Homebrewed Sierra
by "Marshall Emm" <mgemm@ntechnologies.com>
73) [31379] S38 Woes...
by Larry East <wlhue@amsat.org>
74) [31380] OP-AMPS
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
75) [31381] Black wrinkle paint available Fred Meyer
by "Michael Fletcher" <kl7ixi@mailcity.com>
76) [31382] Cross References
by n4so@juno.com (charles k brown)
77) [31383] Re: Inductor Marking, Problem solved Thanks
by Richard Sherman <srichard@aldus.northnet.org>

Date: Tue, 25 Nov 1997 16:06:11 +0000
From: Roger Hightower <n7kt@dancris.com>
To: qrp-l@Lehigh.EDU
Subject: [31328] Re: Mysterious Jewlers Rouge
Message-ID: <347AF773.E0CD6558@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You should be able to find this wherever Dremel tools and accessories
are sold. It comes in a little round plastic container.

--
72/73, de Roger, N7KT
AK-QRP 167, ARCI 8946, CQC 176, GQRP 9081, NE-QRP 383, NORCAL 1099,
QRP-L 62

Date: Tue, 25 Nov 1997 17:47:45 -0500
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>

To: wbw95k@timon.acu.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31329] Re: Hello (new ham)
Message-ID: <347B5591.13C6@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For my two cents worth if your are truly interested in QRP, check into the late Doug DeMaw's W1FB series of QRP books. W1FB's Design Notebook and W1FB's QRP NoteBook are good starts. List price is \$10 each and they are loaded with things a novice (or Tech Plus) can build, including QRP Transceivers.

Congratulations on your upgrade.

--

73 de
KI8CZ
Tom Isgro
OHIO

<http://www.qsl.net/ki8cz>

10-X #68364	SCI #1479	QRP-L #945	ARS #203
C.A.T.T #2115	FIST 2360	NORCAL	ARRL

Date: Tue, 25 Nov 1997 17:02:21 -0700
From: Niels Jensen Kristjansson <nkristja@cadvision.com>
To: qrp-l@Lehigh.EDU
Subject: [31330] NorCal / K8FF Paddles
Message-ID: <1.5.4.16.19971125174151.1a9f31be@cadvision.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Date: Tue, 25 Nov 1997 17:22:17 -0700
From: Larry East <w1hue@amsat.org>
To: qrp-l@Lehigh.EDU
Subject: [31332] Boy-oh-boy-oh-boy...
Message-ID: <3.0.3.32.19971125172217.00923100@eloi>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Downloaded today's (11/25) digest from the FTP site; first one I've had time to read in a couple of weeks. Damn near a quarter MB! Holy horse feathers, don't you folks have a life off the Internet??

(Well, I did find a few interesting tidbits, but geezzzz...)

Send all flames to w1hue@null.com

Date: Tue, 25 Nov 1997 20:19:43 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [31333] Re: Solar Summary 11-25/M1 flare
Message-ID: <Pine.LNX.3.93.971125200736.1767A-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 Nov 1997, Gary Surrency wrote:

> Simpson) or that guy (can't recall his name) that writes "Beavis and
> Butthead".

Mike Judge, from TX (really!) And B&B are finally (and gratefully) going to be killed off on thanksgiving this year. Of course with syndication they may never go away...

ObQRP: Lost a QSO from the mobile last week because I wouldn't kick the DX70 up to 50 watts. Heard Ken again last night and decided to go to high power to "apologize". When I hit the first DAH of my call the radio stopped listening! Later, after a lot of panic, found out the coax was squashed in the gate of the Suburban, and shorted at high power. :(Has been fine at QRP for weeks, 10xQRP killed it. Thought I killed the rice box too, replaced the coax, all is well. Think I'll stick to 5W, much easier on the nerves... 72

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --

-- N3XRV ARRL-VE QRP WAS 27/10(w/c) | http://dns.vidtel.com/~ccart --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? --

Date: Tue, 25 Nov 1997 16:20:39 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [31333] FOX: N/T Fox Wed & Fri
Message-ID: <6B137F61081DD0118DF600805FEAC5C588BFB2@SILVER.CORNING.COM>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7BIT

Greetings All,

Just a reminder that I am the Novice/Tech fox for Wednesday and Friday nights. To be precise:

27 Nov 97 0000-0200 UTC (26 Nov 97 1900-2100 EST)
and
29 Nov 97 0000-0200 UTC (28 Nov 97 1900-2100 EST)

I will start out around 7.140 MHz and work to dodge the QRM from there.

I am trying to get up a new antenna for Wednesday night and will try to move to a different QTH for Friday night so perhaps I will have a better signal.

72
Preston, NOGLM

Date: Tue, 25 Nov 1997 16:56:44 -0700
From: Tim Pettibone <tpettibo@NMSU.Edu>
To: 70511.3041@compuserve.com
Cc: qrp-l@Lehigh.EDU
Subject: [31334] Re: FOX Log 11/25/97 Fix #1
Message-ID: <3.0.2.32.19971125165644.006a9d44@cnmailsvr.nmsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Doc:

I especially like the ingenious way you numbered your QSOs to get the total number up! I'll have to remember that when I'm up as FOX. Again, good job, had lots and lots of QRN on this end.

Tim K5OI

Date: Tue, 25 Nov 1997 21:05:35 -0500 (EST)
From: Mike Duke <K5xu@cris.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31333] 10 meters mobile this weekend
Message-ID: <Pine.SUN.3.96.971125210306.20404E-100000@voyager.cris.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'll be there, near where ever the activity is. Listen for me Friday - Sunday in eastern Mississippi and west Alabama. I will be using my mighty ten watt Kenwood TS-670.

If things really get going, I'll be on 29.005 AM with 3.5 wats.

AMATEUR RADIO STATION K 5 X U
Jackson, Mississippi

Date: Tue, 25 Nov 1997 19:49:26 -0500 (EST)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: kt3a@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31334] Re: Gophers ate my radials!
Message-ID: <Pine.GSO.3.96.971125194814.18173A-100000@joxer.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

You should try Teflon jacketed wire....Unless the Gophers have really good wire strippers they will have a difficult time :-))

73,

Jim N2G0
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Tue, 25 Nov 1997 18:49:50 -0700
From: "Steve Hurst" <shurst@magiclink.com>
To: <SSLYON@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [31335] Re: Jewelers Rouge avail. at HOME DEPOT
Message-ID: <199711260147.UAA131114@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Yeah, but I gotta sail 100 miles to ye nearest Home Depot Matey !!!!

Again.....

AAAAAAAARRRRRRRRRRRRR !!!!!!!!!!!!!!! :-)

HEY !! I need to go to Boise anyway !!!!!!! Hoist the main sail ye swabs ,
lets get er underway!!!! AAAARRRRRRRRRR.....

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

-----I gotta get out more !!!!!!!-----

Date: Tue, 25 Nov 1997 20:02:31 -0500 (EST)
From: Kr0i2@aol.com

To: qrp-1@Lehigh.EDU
Subject: [31336] 12 Meters
Message-ID: <971125200230_2006097817@mrin43.mail.aol.com>

Hi gang,

While changing things around a bit at my station, I had the rig on and sitting at 24.900. Heard a signal come up out of the noise calling CQ de ZL2AGY. Figured, what the heck, and gave him a call. Was a bit surprised to get a 539 back from Tony in New Zealand. Solar flux had been 103 on the 1818Z report. Time of our short QSO was 2058-2102Z. There is life in the ionosphere when 5w gets that far....hi

72/73 de Mac, KR0I QRP ARCI 3227 QRP-L 1037

Date: Wed, 26 Nov 97 02:00:52
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@Lehigh.EDU>
Subject: [31337] Re: Mysterious Jewlers Rouge
Message-ID: <199711260222.UAA07250@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I was in Home Depot the other day and noticed that in the tool section around the buffing wheels and stuff they had at least 5 different grades of polishing 'stuff', one of which was some kind of rouge....

Not very expensive either....

(Home Depot is a building supplies/ tools/home improvement/ almost anything type of chain around here...)

Larry KA5T lewise@inetport.com Georgetown, Texas

Date: Tue, 25 Nov 1997 19:11:21 -0700
From: Jess Gypin <jessqrp@concentric.net>

To: qrp-1@Lehigh.EDU
Subject: [31338] Re: FOX: What a night! And audio file negligence
Message-ID: <347B8549.6A74@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tim Ahrens wrote:

> Hey Jess - that's cutting it kinda close, no?!
>
> Tim W5FN
Yes it was,

Last night was about like tonight has gone. I got home and did the things that I had to do. All of a sudden, Bungfg, I realize that there is a Fox. I got over to the operating position and looked at the UTC clock and saw that it was 01:58. I flipped on the only rig that was hooked up, the TS140 and gave a listen. Spun from 7036 to about 7042. The only activity that I heard was about 7040.5. Sure enough, there was Doc. Not as strong as usual, but about an honest 559. I heard him sign clear and QRZ and shot my call out there. He was coming back to someone, 569 Doc etc.. I waited, looking at the clock saying 02:00 and thinking that life got in the way of fun again ;-). But wait! N0TFI GA. Huh? He heard me at the zero hour with just one call, how can it get any better! I made the exchange, and Doc was saying something about being the last QSO and what a turn out he had, something about 60 some qso's, but the QSB took most of it out. I am not sure that you could play it any closer to the cuff!

On another note, my attention to the audio file web page has not been that great. Also please remember that there is a full function chat page dedicated to exchanging fox lore during, before and after the hunt. In fact anytime the fancy strikes you, just pop over to the chat room.
<http://www.qsl.net/n0tfi>

I will try to make an effort to get more up to date audio files on the web page. It is just with the time change and the early hunts, it is real hard for me to always catch them and when I could, I had other matters to attend to. Family, God, and Country, a ham is balanced! Grumbling sometimes, but balanced! Yea sure ;-)

Best

--

Jess N0TFI <><

<http://www.concentric.net/~jessqrp>

qrp-1 #1232 CQC #92 1997 Fox

Date: Tue, 25 Nov 1997 17:30:56 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Gary Surrency <gsurrency@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31339] Re: Solar Summary 11-25/M1 flare
Message-ID: <Pine.SOL.3.91.971125172725.21261D-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 Nov 1997, Gary Surrency wrote:

> Can't wait to see those "cute illustrations"! Paul, you missed your
> calling. You should have been a cartoonist, a la Matt Groener (Bart
> Simpson) or that guy (can't recall his name) that writes
> "Beavis and Butthead".
^^^^^^^^^^^^^^^^^^^^^^^^

That's called a self-portrait :-(

Paul

Date: Tue, 25 Nov 1997 19:47:12 -0600
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@Lehigh.EDU
Subject: [31340] Gopher Wars
Message-ID: <1.5.4.32.19971126014712.007538c0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

My late grandfather was the bestest gopher (a.k.a. "moles" here in the midwest) getter ever! Not a ham, unfortunately, or I might have discovered this hobby much earlier!

Anyway, "Pop" hated two things big time.....crabgrass and gophers and neither survived very long around his place. His personal technique was to cut the lawn fairly short early in the day. Next, he would water it thoroughly and wait until just before twilight.

Then, armed with a couple of cans of Falstaff, and a portable radio to listen to a Cardinal's game, he would quietly sit in an advantageous spot on the lawn. His secret weapons were a very low-to-the-ground canvas and wood boat seat and one of those giant spade/forks preferred by gardeners.

The seat put him right down on the grass where it was easier to see the earth moving above the rodents. Running to the spot he quickly slipped that giant fork into the ground before the little beasts could dig too far straight down. After he turned them out the fork made short work of the targets.

I saw Pop do this many, many times! And, I learned new words if one was too fast and dug his way back to freedom. <g> BTW, in addition to being fast those "Star Moles" are the ugliest!

Anyway, if all else fails in your private "gopher war" try this!

de Dave, NF0R nf0r@slacc.com

Date: Wed, 26 Nov 97 02:04:53
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@Lehigh.EDU>
Subject: [31341] Re: Fox....
Message-ID: <199711260222.UAA07254@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

On Tue, 25 Nov 1997 16:46:25 -0500, Dave Lichtenwalner wrote:

...

>

>Same here. What new antenna do you have in mind? Maybe we could start a
>"group" purchase....

>

>de Dave KA3EAJ #245 Columbia, MD

>

Nothing specific in mind...Just higher and longer maybe.....

Larry KA5T lewise@inetport.com Georgetown, Texas

Date: Tue, 25 Nov 1997 21:33:45
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [31342] Super Gainer, observations
Message-ID: <3.0.1.16.19971125213345.26df4bf4@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy,

Well, after playing with this thing for a little while, it is clear that it was something of a waste of time. Yes, it does work, abite, poorly.

Selectivity is almost non-existant, as one might expect. I have trouble with the local FM station, 5KW about 2 miles away, being received here and there on the dial. I found the 40 Meter CW band esaily, thats where I could hear 10-20 CW stations at a time. And of course, it's prone to brake into oscillation as you tune around. Hard on the ears.

I think there was a very good reason Armstrong went on to invent the super het. The regen had too many problems. Even this "high tech" version would need a lot more work to become a reasonable radio. Got better things to do.

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 25 Nov 1997 19:52:28 -0500
From: Fred Bennett <fbennett@iquest.net>
To: Qrp-L <qrp-l@Lehigh.EDU>
Subject: [31343] How to QRP a Japan Radio Corp. JST245 ??
Message-ID: <347B72CB.FD21999C@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anybody have a clue how I can get my JST 245 to go QRP ??

The minimum power output seems to be around 10 watts. I seem to remember tales of folks inputting a dc voltage into the ALC on some rigs?? I DO NOT want to smoke this puppy !! Any ideas ??

72.....de.....Fred N9TA

Date: Tue, 25 Nov 1997 20:35:19 -0600
From: Tony <tdavee@iglobal.net>
To: qrp-l@Lehigh.EDU
Subject: [31344] Carolina Windom
Message-ID: <19971126023518187.AAA159@lup2-21.iglobal.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I was just curious if anyone is using the RadioWorks Carolina Windom and if so, what kind of performance they're getting with it. It was my main antenna on HF and I plan on using it when I get my first QRP kit together. Thanks, Tony KM5JH

=====
Tony Davee KM5JH
QRP-L # 131
Alinco DX-70T
RadioWorks Caralina Windom
=====

Date: Tue, 25 Nov 1997 20:13:29 -0500 (EST)
From: N3BJ@aol.com
To: qrp-l@Lehigh.EDU
Subject: [31345] Fwd: FS: Wilderness Sierra w/KC-2 **REDUCED**
Message-ID: <971125201328_2095107882@mrin47>

Price reduced to \$400 shipped. Last call, y'all.

Alan, N3BJ
Bent Mountain, VA

Forwarded message:
From: N3BJ@AOL.COM

Sender: owner-qrp-1@Lehigh.EDU
Reply-to: N3BJ@AOL.COM
To: qrp-1@Lehigh.EDU (Low Power Amateur Radio Discussion)
Date: 97-11-22 15:39:07 EST

For Sale: Wilderness Sierra in very good condition with KC-2 installed.
Includes 40 and 20 meter modules. Works perfectly, has 5 watt mod, actually gets about 4 watts. Has ABX which provides great selectivity adjustment. Otherwise unmodified. This Sierra is surplus, have another one, really don't need 2. Complete documentation on Sierra and KC-2 included. In kit form, current cost is \$365 + shipping.

\$425 firm shipped

Alan, N3BJ

Date: Tue, 25 Nov 1997 18:21:53 -0700 (MST)
From: "John Kirk, VE6XT" <jakirk@freenet.calgary.ab.ca>
To: qrp-1@Lehigh.EDU
Subject: [31346] back issue of EDN
Message-ID: <Pine.A32.3.93.971125181715.81162A-1000000@srv1.freenet.calgary.ab.ca>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi:

Any of you packrats in the electronics biz keep your back copies of EDN?
Looking for a copy of Nov 28, 1985, page 280. Supposedly a 2 FET, 50 watt
80 mtr tx. I know, not exactly QRP, but neat nonetheless.

Thx!

John

Date: Tue, 25 Nov 1997 23:02:25 -0500 (EST)
From: WD6BOR@aol.com
To: mdwatt@usit.net, qrp-1@Lehigh.EDU
Subject: [31335] Drilling holes in Altoids type tins
Message-ID: <971125230224_1115287210@mrin40.mail.aol.com>

In a message dated 97-11-24 11:07:21 EST, mdwatt@usit.net writes:

<< This metal is tough -- what are people using to drill into Altoids tins?

>>

Marty,

I push a small hole in the tin with the tip of a soldering tool against a pine block then drill the hole at slow speed with a Unibit step drill. The body of the drill seems to support the tin as the hole is enlarged and the incremental steps keep the drill bit from grabbing and spinning the whole thing around like a helicopter. I use a twenty dollar variable speed 3/8" drill I picked up at Sears on sale. Most of the good quality step drills run in the \$15 to \$25 range but they are very versatile and seem to last a long time. You can touch up the cutting edge with your Dremel tool and a fine stone.

I finish off the hole with a fine round file that I found made for sharpening chain saws. A couple of those in different sizes should take care of any holes you'll need for an Altoids tin project.

Good luck,

Darrel Jones, WD6BOR

Date: Tue, 25 Nov 1997 23:36:14 -0600 (CST)
From: Adrian Weiss <aweiss@sunflowr.usd.edu>
To: "david's" <elim@ime.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31335] Re: Vertical vs. Dipole
Message-ID: <Pine.SOL.3.94.971125232700.26109B-1000000@sunburst>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dave:

120 radials under any vert. ought to make it as efficient as is possible. But your point about "clear to the horizon" is well taken.

Yes, I have to agree that the horizontal is the easiest to put up and work with -- provided you have the supports to get it up off the ground. I've had great luck with a 50-ft telescoping TV mast with an Inverted-Vee at the top -- it certainly did better than when I had it sloped from the chimney at about 25-ft. I was struck by the amount of improvement that the 25ft gave on 40. Which is one complaint I have now --very narrow lot, and actually not quite possible to put half a 40m dipole toward the front of the lot because of no support, and can't just tie it to a tent-peg at the edge of the sidewalk! So, my Inverted-L is 25-ft at the chimney, and about

35ft at the tree in the back yard - 70ft horiz. and 30-ft vert. I keep trying to get around to raising the chimney side another 20 ft or so, but never get up on the roof. I'm sure it would be worth it! It gets out, but I just know my signal should be stronger.

Incidentally, sounds like you are working some great DX there!

I'm glad to hear that I had something with you getting into QRP -- it sure "took"! Tnx for mentioning that...

Cu on 7040 sometime some evening -- often I have the rig on 7040 while I'm working or puttering or writing e-mails like this!

73, Ade W0RSP

>

> -----Original Message-----

> From: Adrian Weiss <aweiss@sunflowr.usd.edu>

> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

> Date: Tuesday, November 25, 1997 2:09 AM

> Subject: RE: Vertical vs. Dipole>it with the metal, than roll the sod back
> in place >

> >73, Ade W0RSP

> >

> >

> >

> >

>

>

Date: Wed, 26 Nov 1997 00:42:13 -0500

From: "Edwin E. Albert" <ted.albert@worldnet.att.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [31336] RE: Restating the Regen.

Message-ID: <01BCFA04.34009D80@66.cincinnati-01.oh.dial-access.att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

I just finished building the KC3ZQ regen receiver. I built it for 160/80 meters, 70 turns on the T50-2s, and it is one of the better regens I have built over the past 3 years when I got hooked on this particular craze. I used a 10-turn pot for the regen control.

My version tunes from 1.7 to 6.0 Mhz. I was able to receive the new BC station

on 1.710 Mhz in the extended broadcast band that has a lot of the SWL crowd talking due to its DX coverage with 1KW at night. Heard lots of DX on 160 CW the other night using it with the 80' random wire antenna. It is going into a new Ten-Tec case with a mod for sidetone injection and muting. I think this one will see a lot of service this winter on the low bands. Might also use it as a tuneable IF with convertors for other bands.

72/73 de Ted, KF8EE

From: Steven Weber
Sent: Sunday, November 23, 1997 4:54 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Restating the Regen.

[snip]

In fact the last one I built used a 1496 balanced mixer chip as a regen. A cleaver design by Dave Cripe, KC3ZQ, found in the October '95 issue of 73. It's called "Armstrong Updated". As a side note, I didn't like his audio amp and used a LM386. Anyway, It worked pretty well.

[snip]

Date: Wed, 26 Nov 1997 00:51:36 -0500 (EST)
From: "Phillip S. Rutledge" <rut@mcrut.mv.com>
To: qrp-l@Lehigh.EDU
Subject: [31337] WTB: Heath HM-9
Message-ID: <199711260551.AAA02021@mercury.mv.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,

I have a friend looking for a nice HM-9 QRP wattmeter to go with his HW-9 setup. Does anyone have one out there they'd like to part with? (wired for HF operation) If so, please drop me a note with particulars.

Thanks & 73--Phil (K1HS)

=====
Phil Rutledge--K1HS-- rut@mcrut.mv.com

ARCI#9265=Norcal#1797=QRP-L#820= CQC# 385=FISTS# 3317
=====

Date: Wed, 26 Nov 1997 00:16:04 -0600 (CST)
From: Adrian Weiss <aweiss@sunflowr.usd.edu>
To: QRP-L@fidoii.CC.lehigh.EDU
Subject: [31338] RE: K1MG on foxes, paddles...
Message-ID: <Pine.SOL.3.94.971126001007.26109D-100000@sunburst>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mike's posting tickled me on two points -- his youthful experiences of working 40m in the wee hours after everyone had gone to bed -- sneaking down into the shack... boy, that brings back memories.

Then, the sentiments on the Norcal paddle -- "I built it etc" are exactly my own, although I haven't gotten quite as far as appreciating the scratches in the brass etc -- mainly because my light is behind me and no reflections, but I'm sure I would get to like the brass a lot more if light was available. Incidentally, my Norcal paddle is "original out of the package" -- couldn't wait for polishing and painting, so it sits there in all its crudeness. But boy, I love the Swiss clock-work feel of the thing. I just LOVE it! (I also can send with it now!).

I cracked up about the 3 sizes of Allen wrenches! I too had to make three trips out to the garage in the dark and fiddle around looking for the next right size -- brought the whole string of them back on the third trip! So, how many other Norcal builders had to trek out to the garage in the dark in search of the right sizes?

72/73, Ade W0RSP

Date: Wed, 26 Nov 1997 00:30:40 -0600
From: "Tim Ahrens" <tahrens@inetport.com>
To: <aweiss@sunflowr.usd.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31339] Re: K1MG on foxes, paddles...
Message-ID: <199711260631.AAA18081@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Yep, three trips for me too!

Tim W5FN

> I cracked up about the 3 sizes of Allen wrenches! I too had to make three
> trips out to the garage in the dark and fiddle around looking for the
next
> right size -- brought the whole string of them back on the third trip!
So,
> how many other Norcal builders had to trek out to the garage in the dark
> in search of the right sizes?
> 72/73, Ade W0RSP
>
>

Date: Wed, 26 Nov 1997 00:03:45 -0700
From: "Steve Hurst" <shurst@magiclink.com>
To: <aweiss@sunflowr.usd.edu>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [31340] Re: K1MG on foxes, paddles...
Message-ID: <199711260701.CAA209092@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Ade,

Well , I just brought the whole tool box in the room !!!! Did'nt want to
take any chances !! :-) BTW Ade,THANKS FOR THE BOOKS !!!!!!!!!!!
Rx'ed them in good condx. Have'nt gotten around to reading "THE Joy" yet ,
but will soon. Am waiting for three feet of snow on the ground and a nice
warm fire to read by !! I love the snow !!!!! BRING ON THE SNOW EL NINO
!!!!!! I gotta go skiing in two days !!!!! :-)

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

-----Ade wrote-----

-----snip-----

So,

> how many other Norcal builders had to trek out to the garage in the dark
> in search of the right sizes?
> 72/73, Ade W0RSP
>
>

Date: Tue, 25 Nov 1997 22:47:37 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: bmug@gwl.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31341] Re: The Exam
Message-ID: <347B9874.506F@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brad Mugleston wrote:

This is mostly gobbldygook. I don't see the tie in to qrp work.

> Is hell exothermic or endothermic? Support your answer with
> proof.
>
> [For Non-science majors, exothermic is when something releases heat and
> endothermic is when something generates heat.]

Not exactly....endothermic reactions will end without the addition of
heat. Exothermic reactions give off heat.

> $E = mc^2$
>
> When a person dies, their soul departs the body, and the "life force," or
> E, is converted to some mass, the magnitude of which is not critical to the
> postulate, and is represented by a constant, k, which may be dropped in
> subsequent equations.

This number will depend on the speed with which the soul leaves the
body.

Are you assuming that everyone leaves at the speed of light?

If they do, then a mole of souls can also have a

> mass:

>

> $f(m) = E/c^2 = km$

Huh?? How many molecules are there in a mole of soles?

> Statistically, irrespective of the rate at which these occur, they are
> mutually exclusive, and proving the null hypothesis for one will guarantee
> exclusion from the null for the other.

If they are mutually exclusive, they are not independent. Most of the statisticians I hang out with don't "prove" null hypotheses. The most that a statistical analysis can do is "fail to reject" the null hypothesis.

So which is it? If we accept the postulate given me by Jennifer Smith
> during Freshman year, and take into account the fact that I still have not
> succeeded in knowing her in a biblical sense, then #2 cannot be true,
> therefor #1 must be true, and hell is exothermic."

This is a non sequitur.

>

> The student got an A.

Another example of grade inflation.

Some people don't have a sense of humor.....

Henry

Date: Wed, 26 Nov 1997 02:44:57 -0500 (EST)

From: Scott Bauer <ke3nv@erols.com>

To: qrp-1@Lehigh.EDU

Subject: [31342] Unbeleavable..../38 Special in Germany

Message-ID: <199711260744.CAA17437@smtp1.erols.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hello Group,

I sent a 38 Special kit to my friend Uwe in Germany. After a little tinkering he has had some very good success with it. I just wanted to share his notes with everyone.

Happy Holidays!! Scott w3cv

>Hi Scott,

>

>yesterday I tried to call CQ with the .38 spcl. After a few time
>suddenly I became an answer from a LZ station. rst 599 !!!! I asked
>back for a real raport: 599 + nice signal!!!! I could not believe it.
>After this I had three qso with UA and SM stations. I thing I have to
>modify the audio stage but the xcvr works very well now!
>The audio level is to low for a father with to childs ;-)))
>I hope you will have a nice night my friend

>

>Take it easy!!!

>

>Uwe

>

>

>

72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV

Founder and trustee of W3DV, Woodwardville ARC, "the WARC"

A local club for the QRP enthusiast

visit my web page at <http://www.erols.com/ke3nv/>

G-QRP 8773

QRP-L 728

NORCAL 1094

DL-QRP-AG *GM*

CQC 352

QRP ARCI-8804

scQRPion 38

AR-QRP 27

WARC QRP Club

CW OPERATORS QRP CLUB 484, FISTS, ARRL

Date: Wed, 26 Nov 1997 00:21:36 -0800

From: "Paul Carreiro, N6EV" <n6ev@badger1.net>

To: qrp-l@Lehigh.EDU

Subject: [31343] Re: QRP Clubs w/ QRP CALLS (WQ6RP)

Message-ID: <3.0.32.19971126002134.006efd80@mail.badger1.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 10:26 AM 11/25/97 -0500, Randy WJ4P wrote:

>For the upcoming Pixie/40-9er Contest it would be really SWELL
>if the clubs with "QRP" calls would operate ANY radio in order
>to give the other stations some bonus points! It would be an
>advantage to operate a "real" radio to tune around and pick out
>all the Pixies and 40-9ers that will be operating.

For those on the west coast, WQ6RP (Southern California QRP Society) will be operational, one way or another. We're rallying our members and should be on the air the entire contest. I personally will have a "real" radio (cringe), DSP, and skilled ears at hand to pick out all those whispers in the wind.

72! Paul N6EV
WQ6RP SCQS #1

P.S. Please take note and archive the new E-Mail address for those that regularly correspond with me and the club.

Paul F. Carreiro - N6EV - ex-N6HCS - El Camino Village, CA
mailto:n6ev@badger1.net - <http://www.qsl.net/n6ev/>
QRP - Boatanchors - Glowbugs - Mobile CW - QRQ +45WPM - ZUT!
NorCal #367 - QRP-L #236 - QRP ARCI #8885 - FISTS #1407
SCQS #1 - Southern California QRP Society - WQ6RP
Zuni Loop Mountain Expeditionary Force (QRP Field Day) - K6ZNI

Date: Wed, 26 Nov 1997 04:14:23 -0600
From: n5inz@juno.com (John M Andrews)
To: qrp-l@Lehigh.EDU
Subject: [31344] RFI-EMI spray
Message-ID: <19971126.041424.3414.8.N5INZ@juno.com>

I knew it existed, just saw a review 10-15 years ago.

Graphite conductive spray in 12 oz cans. Pretty much the same stuff you see sprayed on the inside of plastic cases to keep the RF from leaking out.

GC Electronics # 10-4807; about 20 bucks a can. (The same folks who bring you....."Liquid Polystyrene"- If you don't know what this is...ask your mother.)

72, John - N5INZ

Date: Wed, 26 Nov 1997 06:35:53 EST
From: k5zty@juno.com
To: qrp-1@Lehigh.EDU
Subject: [31345] re: Nor-Cal Paddles
Message-ID: <19971126.053751.5455.5.k5zty@juno.com>

Hello to the Group,

I was going to hook up the wire to my new Nor-Cal paddle last night, but ran into a question of proper connection. I've heard and I think I understand the procedure of 'Thumb Dits and Finger Dahs' but I need to know whether it is Black wire dits Red wire Dahs or Red wire dits and Black wire dahs. My Kent key is no help because it has blue and green wires.

Any help will be appreciated and tolerated.

72,
Bill, K5ZTY
Houston, TX
k5zty@juno.com

Date: Wed, 26 Nov 1997 06:35:53 EST
From: k5zty@juno.com
To: qrp-1@Lehigh.EDU
Subject: [31346] re: Vertical vs Dipole
Message-ID: <19971126.053751.5455.3.k5zty@juno.com>

Hello to the Group,

I got a chuckle out of Ken's posting about making a real vertical out of the aluminum from his R7000. The antenna manufacturers are pandering to the general ham populations resistance to dealing with radials when they make these "no radial verticals". You can't terminate one side of the feedline into a torriod coil and have more than half of an antenna working, yet hams want to believe there is something new in the physics of antennas and tend to believe the manufactuters claims about the efficiency of no radial antennas. Butternut has , in the interest of sales, come out with a "no radial vertical", but in private they will tell you in a second that it is a poor compromise for their radial kit. There ain't no majic.

72,
Bill, K5ZTY
Houston, TX

Date: Wed, 26 Nov 1997 06:35:53 EST
From: k5zty@juno.com
To: BuckPD@corning.com
Cc: qrp-1@Lehigh.EDU
Subject: [31347] Re: FOX: N/T+ report: NOGLM from 19 Nov EST
Message-ID: <19971126.053751.5455.4.k5zty@juno.com>

Good job Preston. And you got all the numbers right too. I'll look for you on the 27th and 29th also.

72,
Bill, K5ZTY
Houston TX
NR 473

Date: Wed, 26 Nov 1997 06:35:53 EST
From: k5zty@juno.com
To: aweiss@sunflowr.usd.edu
Cc: qrp-1@Lehigh.EDU
Subject: [31348] Re: Vertical vs. Dipole
Message-ID: <19971126.053751.5455.6.k5zty@juno.com>

Adrian and the Group,

I'm really happy that there is finally some discussion on the list about radials for ground mounted verticals.

There has been a lot of talk in the past here on QRP-L and in QRPp Spring 97, about cutting tuned radials, "one for each band" for the SLV portable vertical. There was an article in the latest issue of QRPp about cutting tuned radials in a neat little roll up package for use on ground mounted verticals. These articles are misleading and are part of the reason that people have bad experiences with vertical antennas.

I hope Adrian's excellent article here points up the error of these tuned radial ideas to some who may be contemplating wasting time measuring and cutting and tuning radials for ground mounted verticals. It would be nice if there were some way to make a shirt pocket sized radial set to go with the portable vertical but there is not. Skimpy radials under a vertical are the main reason that people have bad experiences with verticals.

Now, verticals that are elevated 1/4 wavelength or more are a different

story. Then the radials get away from the ground capacitance and become a tuned part of the antenna. The antenna is now a ground plane.

My \$.02 worth,

Bill, K5ZTY
Houston, TX
k5zty@juno.com

Date: Wed, 26 Nov 1997 04:49:53 -0700
From: "Brunner, David" <David.Brunner@Den.Galileo.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [31349] RE: Vertical vs Dipole
Message-ID:
<c=US%a=_%p=Galileo%l=DENEXC02-971126114953Z-9716@denexc01.galileo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Amen!

I've got a B'nut antenna on the roof, with their radial kit. Works fine, lasts a long time.

David, KE0AZ
former Houstonian

>-----
>From: k5zty@juno.com[SMTP:k5zty@juno.com]
>Sent: Wednesday, November 26, 1997 4:35 AM
>To: Low Power Amateur Radio Discussion
>Subject: re: Vertical vs Dipole
>
>Hello to the Group,
>
>I got a chuckle out of Ken's posting about making a real vertical out of
>the aluminum from his R7000. The antenna manufacturers are pandering to
>the general ham populations resistance to dealing with radials when they
>make these "no radial verticals". You can't terminate one side of the
>feedline into a torriod coil and have more than half of an antenna
>working, yet hams want to believe there is something new in the physics
>of antennas and tend to believe the manufactuters claims about the
>efficiency of no radial antennas. Butternut has , in the interest of
>sales, come out with a "no radial vertical", but in private they will
>tell you in a second that it is a poor compromise for their radial kit.

>There ain't no majic.
>
>72,
>Bill, K5ZTY
>Houston, TX
>
>

Date: Wed, 26 Nov 1997 06:50:26 -0500
From: mikemo@ibm.net
To: wb0poq@visi.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31350] Re: Mysterious Jewlers Rouge
Message-ID: <347C0D02.7479@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> AARRRRRR, where might a bloater such as me self find this "mysterious
> jewlers rouge" ??

Sears tools section. They have cloth polishing kit for use in a drill.
It has 3 sizes of wheels and 4 different grit Rouge sticks.

I use it to polish the wheels on my 240-Z (I'm still a straight key man)

72 de kf4trd/ag
Mike Maiorana

Date: Wed, 26 Nov 1997 06:20:35 -0700
From: Steve Galchutt <n0tu@webaccess.net>
To: david.gauding@bbs.galilei.com
Cc: "\"Low Power Amateur Radio Discussion\" \" <qrp-1@Lehigh.EDU>
Subject: [31351] Re: Gopher Wars
Message-ID: <347C221E.6331@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Great Gopher 'tale'...tks for taking the time to tell it.

--

CUL Steve/n0tu . .

Solar powered QRP/CW
Monument, CO.....email:NOTU@webaccess.net

Date: Tue, 25 Nov 1997 21:38:06 -0500
From: Paul Helbert <phelbert@rica.net>
To: k5zty@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31352] Re: Nor-Cal Paddles
Message-ID: <347B8B8D.8085086C@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

k5zty@juno.com wrote:

> Hello to the Group,
>
> I was going to hook up the wire to my new Nor-Cal paddle last night,
> but
> ran into a question of proper connection. I've heard and I think I
> understand the procedure of 'Thumb Dits and Finger Dahs' but I need to
>
> know whether it is Black wire dits Red wire Dahs or Red wire dits and
> Black wire dahs. My Kent key is no help because it has blue and green
>
> wires.

Solder the white wire to the dit contact (which goes on the finger side). Any other color might cause chromoscopic aberrations with possible side tone audio frequency shift toward the thumb. Of course, if you get it backwards, you can always paint the wires to reverse their colors. No big deal either way ;>)

72, Wv3j, Paul

Date: Wed, 26 Nov 1997 09:01:16 -0600
From: Brian Cieslak <brianc@ams-i.com>
To: "'QRP-L'" <qrp-1@Lehigh.EDU>

Subject: [31353] Polishing brass parts
Message-ID: <50F91F96FB1FD11191C100A0C95B29370588B8@mail.ams-i.com>
MIME-Version: 1.0
Content-Type: text/plain

>Hi All,
> Locating this stuff can be a bit daunting. Here's a suggestion:
Find a
>gem store, the kind rock hounds (as opposed to fox hounds) frequent.
They
>should have all kinds of metal and stone polishing materials.

Hmmmmm....I wonder if I could throw the brass parts in my rock
tumbler?????

Brian AE9K

Date: Wed, 26 Nov 1997 08:31:23 -0700
From: "Ron Smith" <resmith@primenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31354] Re: Polishing brass parts
Message-ID: <01bcfa80\$5a34d120\$4c22a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Brian Cieslak <brianc@ams-i.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Wednesday, November 26, 1997 8:07 AM
Subject: Polishing brass parts

>Hmmmmm....I wonder if I could throw the brass parts in my rock
>tumbler?????
>
>Brian AE9K

Hi Brian,

There were two messages awhile back that eluded to using the tumbler. One ham said he used corn cobs and Brasso in the tumbler - another suggested that he used nut shells and Brasso to get that brushed look. You and I have the same "HMMMMM....I wonder if..." feeling. I was about ready to head to Toys-R-Us to buy a cheep tumbler and try it myself. Some of these ideas are so ingenious that I have to keep checking the calendar to ensure it's not April 1st.

Seems like I have a *lot* of HMMMMMM's since joining this list... :-)

Happy Thanksgiving to all...

Ron Smith

Southwest Idaho
E-mail: resmith@primenet.com
Amateur Radio Callsign: KD7VD
QRP-L #1291

Date: Wed, 26 Nov 1997 07:44:59 -0500
From: "(Parker) j@parker.reno.nv.us" <Pparker@greatbasin.net>
To: qrp-l@Lehigh.EDU
Subject: [31355] Re: Paddle wiring
Message-ID: <3.0.1.32.19971126074459.00689eec@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

HMMMMMM...am I a righty who's been using lefty Vibroplex bugs and wiring his keyer paddles the wrong way all these years?

My paddle is wired finger/dah and thumb/dit (don't know about NorCal paddles...I'm just talking generic paddle wiring)...if I had to relearn my dit/dah coordination, I'd probably be inclined to dust off the old Teletype Model 15 and move up the band some:>))

72/73

Jack, W7PW

Date: Wed, 26 Nov 1997 10:50:03 EDT
From: "CHARLES LESKIE" <CLESKIE@um-f1.umd.umich.edu>
To: QRP-L@Lehigh.EDU
Subject: [31356] battery packs
Message-ID: <46B5A8F6B98@um-f1.umd.umich.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Does anyone have any good designs for home brewing battery packs for field operations?

Was thinking maybe housing some nicad D's or C's in PVC tubing, sealing it for waterproofing and building a little charge circuit to put in or on it somehow.

Just wonder what others have come up with.

Chuck Leskie

Date: Wed, 26 Nov 1997 09:16:17 -0800
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@Lehigh.EDU>
Subject: [31357] Beacon Wizard - Freeware
Message-ID: <347C5961.141B@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang:

A friend of mine, KU5S, has written a sticky WINDOWS 95 applet. It is an ITU Beacon finder. Really slick, free, and a real aid to allow you to analyse the ITU Propagation Beacons.

It's complete with uninstall of course, and requires no configuration.

You might call it a "holiday" gift <G> to the ham world.

I have no financial interest in his software, but I always enjoy running it.

<http://www.wtrt.net/~ku5s/freeware/ABWSetup.EXE>

--

Brian Kassel W5VB0
AZ Phoenix ScQRPions

Date: Wed, 26 Nov 1997 16:26:13 +0000
From: Ed Loranger <we6w@qsl.net>
To: slmachco@fix.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31358] Re: Powder Coated Base Polishing
Message-ID: <347C4DA5.4346@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just had to respond. The absolutely very best, and very affordable finish for a car is "Nu Finish Car Polish". The liquid polish in the bottle is better than the paste, I've read in "Consumer Reports" magazine. I've used this stuff on my cars for years! Actually bonds to the paint and protects from Sun/UV and other elements.

My Brother-in-law didn't listen to me. He kept buying all these expensive 'classic' polishes and waxes. Finally after many years of watching him polish the bottom of his boat, go fishing in the ocean, then come back home and "STILL" struggle getting the oil/saltwater foam off, I took action. Spent the less than \$5.00 US and gave him a bottle.

He just had to polish the boat, fish, and rinse off. Took about 10 fishing trips before he waxed again.

It's all he uses now!

So, for the POWDER COAT, Baked-on base, after you use your rubbing compound to de-scratch, polish with Nu-Finish liquid car polish.

Just my \$.02 --- GL all/Ed

doug hauff wrote:

>

> Went next door, talked to the powder coater guys...Finish is as on your car;
> use fine rubbing compound, then car wax - or just car wax. Apply liberal
> amounts of elbow grease.

> Avoid harsh stuff like you use on the brass. 72 Doug KE6RIE

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Wed, 26 Nov 1997 10:28:50 -0600 (CST)
From: Jack Bryant <Jack.Bryant@math.tamu.edu>
To: qrp-l@Lehigh.EDU
Subject: [31359] on-line specs query
Message-ID: <199711261628.KAA25746@fourier.math.tamu.edu>

Does anyone know of a web site or archive containing specs
of transistors or ICs? Other stuff?

-Jack W5TFB

Date: Wed, 26 Nov 1997 08:49:17 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: k5zty@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31359] re: Nor-Cal Paddles
Message-ID: <Pine.SUN.3.90.971126084644.23167C-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 Nov 1997 k5zty@juno.com wrote:

> I was going to hook up the wire to my new Nor-Cal paddle last night, but
> ran into a question of proper connection. I've heard and I think I
> understand the procedure of 'Thumb Dits and Finger Dahs' but I need to
> know whether it is Black wire dits Red wire Dahs or Red wire dits and
> Black wire dahs. My Kent key is no help because it has blue and green
> wires.
> Any help will be appreciated and tolerated.

Hi Bill,

That's easy. You have to use the Black wire on the Dahs because Black

starts with a Dah. The Red wire has to go to the Dit side because it starts with a Dit.

To do otherwise will confuse your keyer.

: -)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 26 Nov 1997 10:09:06 -0700
From: Andy Fox <foxes@theriver.com>
To: qrp-l@Lehigh.EDU
Subject: [31360] Re: on-line specs query
Message-ID: <347C57B2.64E0@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jack et alia,

All the major IC manufacturers have websites. Typcially, you can guess at the URL. For example, Analog Devices is at:

<http://www.analog.com/>

Here are some others I have bookmarked:

<http://www.semiconductors.philips.com/>
<http://www.futureone.com/microchip/index.html>
<http://www.ti.com/corp/docs/prodserv.html>
<http://www.linear.com/>
<http://www.national.com/design/>

Most data sheets can be downloaded in HTML or PDF format. I recommend the PDF format. Application Notes are also available.

Have fun, and 73

--

Andy Fox, KK7HV
mailto:foxes@theriver.com
<http://personal.riverusers.com/~foxes/>

Date: Wed, 26 Nov 1997 09:16:42 -0800
From: Bill Todd <bill@techline.com>
To: nwq-1@scn.org
Cc: qrp-1@Lehigh.EDU
Subject: [31361] More 15 meter fun today
Message-ID: <1.5.4.32.19971126171642.00700728@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello folks -

I will be on 15 meters again today, at about 21050 from 9 AM to 2 PM PST.
If anyone wants a QSO via an classic HW-16, come join me.

Band sounds pretty good this morning here on the West Coast. I just worked a
VE1 in NS.

CUL, Bill-N7MFB

Date: Wed, 26 Nov 1997 07:12:46 -0500 (EST)
From: N3BJ@aol.com
To: qrp-1@Lehigh.EDU
Subject: [31362] FS: Kenwood TS130V + access.
Message-ID: <971126071245_2119336824@mrin86.mail.aol.com>

For Sale: Kenwood TS130V, matching power supply and matching speaker.
Includes 270 Hz CW filter (installed). This is the baby brother of the
TS130 and is one of the few full featured QRP rigs ever offered commercially
in the USA. Gets about 15-20 watts out (adjustable from front panel), has IF
shift, speech processing, RIT, noise blanker, etc. and can be used with

matching Kenwood VF120 aux. VF0.
Works fine, in very good condition.

\$500 for the package,

Might split up

Alan, N3BJ 540-929-5216

Date: Wed, 26 Nov 1997 09:36:52 -0800
From: Bill Todd <bill@techline.com>
To: nwq-l@scn.org
Cc: qrp-l@Lehigh.EDU
Subject: [31363] FS: 3 antennas-Puget Sound,WA area
Message-ID: <1.5.4.32.19971126173652.0070ef64@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello folks -

I wish I could "narrow" this post - and send it just to Puget Sound, WA
QRPers...but I guess the subject line will help those who don't live in this
area, to delete the message.

A friend of mine in Olympia has three antennas he is trying to sell. Here's
the list:

Wilson TA-33 (10/15/20 meter) 3 element Yagi = \$75.00
Cushcraft (pair) of 11 element 2 meter phased Yagis = \$75.00
KLM 16 element 2 meter "boomer" yagi = \$75.00

He will sell all three for \$200 if anyone is interested. All three antennas
are on the ground, and appear to be in good condition - though the TA-33 needs
a bit of cleaning.

If you're interested, call Fred, K7SY at (360) 786-1221
CUL, Bill-N7MFB

Date: Wed, 26 Nov 1997 17:39:00 +0000
From: Ed Loranger <we6w@qsl.net>
To: aweiss@sunflowr.usd.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31364] Re: K1MG on foxes, paddles...
Message-ID: <347C5EB4.5A21@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Adrian Weiss wrote:

>

> But boy, I love the Swiss clock-work feel of the
> thing. I just LOVE it! (I also can send with it now!).

>

I send well with it now too. Just took a little practice.

Now I prefer the wider spacing!!!

Oh, my son Dale, Prospective HAM, asked "You built those?, they
look professional!". (I'll show them if I can hitch a ride
from Santa Rosa to the Norcal Meeting in Dec.)

> I cracked up about the 3 sizes of Allen wrenches! I too had to make three
> trips out to the garage in the dark and fiddle around looking for the next
> right size -- brought the whole string of them back on the third trip! So,
> how many other Norcal builders had to trek out to the garage in the dark
> in search of the right sizes?
> 72/73, Ade W0RSP

Oh, boy. I had to grind one end of my wrench so it could fit
it on the allen screws over the bearings. Must be metric or
something. I used my jewlers file, took many careful strokes
to get the allen wrench to fit just right.

I do all my work in the garage -- NOW. This after leaving the
old Hammarlund on the dining table, repair tools everywhere,
and the XYL tiring of 3 months of fiddling with my stuff
there. Built a table in the garage. Guess what? Now
she leaves all these coffee cups, soda cans, and water
glasses out there. Payback.

72 om.

-Ed

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Wed, 26 Nov 1997 13:10:31 -0500 (EST)
From: Bob Patten <n4bp@shadow.net>
To: Ed Loranger <we6w@qsl.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31364] Re: K1MG on foxes, paddles...
Message-ID: <Pine.SOL.3.96.971126130522.19007D-1000000@viper>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 Nov 1997, Ed Loranger wrote:

>
> I do all my work in the garage -- NOW. This after leaving the
> old Hammarlund on the dining table, repair tools everywhere,
> and the XYL tiring of 3 months of fiddling with my stuff
> there. Built a table in the garage. Guess what? Now
> she leaves all these coffee cups, soda cans, and water
I've also left mine on the dining table since I took the kit out of the
bag. Yesterday my XYL put all the loose parts on a cookie sheet and stuck
it on the kitchen counter. Time to finish it up! I'll make up a list
right now and head for Home Depot for sandpaper, rouge, paint, etc. Then
the kit will go down to my place of work where I have some free time
during my overnight shift. Been procrastinating long enough... I've got
to have this thing finished to take to C6A in February for the ARRL DX CW
contest.

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@shadow.net

Web Page: <http://www.shadow.net/~n4bp/n4bp.htm>

Brass Pounder BBS: (954) 472-7715

Date: Wed, 26 Nov 1997 18:22:12 +0000
From: Ed Loranger <we6w@qsl.net>
To: Bob Patten <n4bp@shadow.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31365] Re: K1MG on foxes, paddles...
Message-ID: <347C68D4.12E5@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Bob! I hope you read my post on my painting technique.
I used an old pillowcase linen, wrapped a single thickness
around my index finger, dipped in the well-stirred paint
and used a vertical up/dn motion patting the paint on.

After about 3 coats I sprayed with Krylon Clear-kote.
(Three coats of clear as well.)

Very Nice. I sanded lightly between coats but found it nicer
to let the last one remain untouched.

Actually, my biggest worry was that I would lose the ground
path taken by the screws to the paddle arms. But works
fine.

The paddles are wired with four conductor telephone cable,
beige exterior sheath and one wire clipped. No jack on the
end yet; just soldered directly to my TLC 555 non-iambic
keyer. (.85 mA idle current). The keyer has low voltage
reed relay which works to key all my rigs. Even the -80
volt grid-block keying of the Drake works FB.

The paddle weight is adequate, and it taught me not to
slap it around -- HI!

Best Holiday Wishes to all.

-Ed

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8, OHR-100, Pixie2, Johnson Viking II, Drake TR-3
QRP-L#1068, ARCI#9397, Norcal#2227, ARS#275, AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Wed, 26 Nov 97 08:29:59 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)

To: qrp-1@Lehigh.EDU
Subject: [31365] battery packs
Message-ID: <9711261829.AA16310@krypton.nmr.Hawaii.Edu>

One that I came up with for my VHF HT is based on a miniature camera case I picked up at a sidewalk sale at Ala Moana Shopping Center.

It is a canvas-like case with a top lid, about three inches by five inches by five inches tall. A search of the local electronics store came up with a Gel Cell that slips right in and occupies about the bottom 3/4ths of the depth. I made a custom cord with the correct connector for the HT. This coils up and goes in the front pocket. I made a carefully fitted 1/8th inch plexiglass "lid" to cover the battery and stashed lots of antenna accessories like a roll up Jpole and adapters in the remaining top space.

There is even a couple of loops in the lid for film cans where I keep some rolled up bags with things like a clothespin, safety pin, and some of the adapters. A big suction cup goes in the center of the rolled up J pole.

The battery is a bit heavy, but it is a 3.5 amp hour! and 13.8 volts, about 12.7 in operation. Includes a shoulder strap.

One of the biggest problems of an over the shoulder pack is the irritating habbit of falling down and swinging in front of you each time you bend over. I stopped this by attaching a belt clip like the kind used for keys, that has a loop and a snap. I snap it through one of my belt loops on my pants and that catches the pack and keeps it at my side.

Only problem is that when using the HT at the full five watts that this system supports, it really heats up fast! But on the half watt setting this will run the unit for days.

Mike Burger University of Hawaii at Manoa Department of Chemistry
AH7R - QRP-L #1053 - FISTS - BL11ch - Honolulu County

Date: Wed, 26 Nov 1997 13:30:40 -0500 (EST)
From: Philip Karras 827-2956 <PXX4@CDRH.FDA.GOV>
To: qrp-1@Lehigh.EDU
Subject: [31366] LED flashlights, wavelength(s)
Message-ID: <C35ZXDBJAXK7*/R=FDADR/R=A1/U=PXX4/@MHS>
MIME-version: 1.0

Content-type: TEXT/PLAIN; CHARSET=US-ASCII

I was in the lab today & got the spectrometer working (actually my coworker got it working :) & we measured a yellow Photo flashlight (I got from Hostfelt Electronics, Inc and an ultrabright red LED from ALL Electronics Corp. The yellow was around 560 nm (I don't remember this one well & I didn't print it out, next time) and the red was around 680 nm (This one I do remember well.) Very narrow bandwidth but again I didn't print it out so I can't give a number but I think it was less than but around 10 nm. [I got to learn how to print these things out so I can go back to them.]

Everyone have a happy Thanksgiving!

God Bless & 72/73 de KE3FL
Phil K

Date: Wed, 26 Nov 1997 13:38:44 -0500 (EST)
From: PDouglas12@aol.com
To: QRP-L@Lehigh.EDU
Subject: [31366] Please don't attach files
Message-ID: <971126133844_749023904@mrin40.mail.aol.com>

Gang,

We seem to have a number of new subscribers, which is wonderful, thanks to the mention in the latest QST. We don't have a FAQ, but we have some consensus, I think, about how we operate on the list. One thing, of course, is that we try to treat each other with respect, and flame wars aren't part of our culture on QRP-L.

That said, may I politely suggest that if you are new, you will learn a lot by "reading the mail" just like you would by listening to any ham band.

If you watch the QRP list for any length of time, you will notice that attached files are not generally welcome. It seems to irk a number of subscribers (including crusty old me) when postings include attached files.

Here's why the folks take umbrage at it: 1. It locks up some subscribers' computers altogether. 2. It wastes time and drive space and forces acceptance of large files 3. It costs some people (especially overseas) extra money. 4. It may contain viruses. (Some or all of these reasons may be specious, but anyway, I suspect most of us feel this way.)

On the other hand, if you are a rookie, and you just happened to send an attached file with a megabyte-sized picture of your shack, please don't unsubscribe because some yahoo sends you an impolite note complaining about your mistake. It isn't enough of a big deal to give rise to road rage, for goodness sakes. And nobody ever died of embarrassment.

There, that feels better. :-)

72,

Preston WJ2V

Date: Wed, 26 Nov 1997 11:45:58 -0700
From: "Steve Hurst" <shurst@magiclink.com>
To: <qrp-1@Lehigh.EDU>
Subject: [31367] Diode question
Message-ID: <199711261844.NAA151360@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Electronic experts/part substitution guru's,

Here's a question for you. Several months ago my computer monitor went dead . Smelling a strong odor coming from inside the case, I suspected a fried component. Sure enough, a diode was fried . Almost to the point of breaking in half, but I am able to make out the numbers . Anyone know what this is, and know of a suitable replacement ? I have replaced it with an NTE 576, figuring I have nothing to loose ! And it has been working ever since. The original part is:

UG2D (then under that is),
G (I ?) 9448
maybe G1 or GT 9448

Any ideas ? Fixed it with the \$2.50 NTE diode from a local supply house , but would like to know what else I can use , just in case it happens again. Thanks for the help !!

73,

Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

Date: Wed, 26 Nov 1997 12:43:17 -0600
From: "Bruce Barley" <lbbbarley@feist.com>
To: <qrp-1@Lehigh.EDU>
Subject: [31368] FS - Attn: FYBO & TTF participants
Message-ID: <199711261844.MAA00987@wichita.fn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

For Sale: NICAD battery charger and leatherette battery carrying case w/ shoulder strap. \$30 plus \$5 shipping (about 3 - 4 pounds). Near new condition - appears to have not been used. Please read on...

I have a Sears Model 8991 NICAD battery charger (yes, there is a schematic with it !) and it is built into the leatherette carrying case, but it is attached via screws, and can be easily removed for more room in the case. This unit was originally built for a portable TV. The battery compartment is empty.

The case is black leatherette and is ventilated over the charger unit. The case battery compartment is empty, and measures 5-1/4 x 8-1/2 x 3 with the charger installed. The schematic of the charger would make Howard Sams green with envy. It is a transformer input, full wave diode bridge, 3 transistor regulated, output polarity protected, fused primary and ADJUSTABLE fused regulated output charger. The schematic has circuit voltages indicated at each of the transistor leads, just like Sams used to do it. A full parts list is also with the schematic. The output is fused at 1.9 amps.

If you don't want the extra weight of the charger when you are in the field, it comes out by removing the retaining screws. Plus you will have some extra room for that QRO battery pak <grin>. Without the charger, the case measures 9-1/4 x 8-1/2 x 3 inside. The carrying case comes with an adjustable shoulder strap (black plastic) and is double riveted at each end. The case is in near new condition... I doubt that it was ever actually used. I plugged the unit in, and it is putting out just under 15 volts. (It IS adjustable, remember.) I don't have any batteries to check the unit with, but at this point all the smoke is still restrained within the charger, so....

To give those of you who are on a digest basis a fair chance, I will draw a name from those responding (off line, please) to me. I will make the drawing Sunday nite, 11/30. Price: \$30 + \$5 for shipping.

72's es best dx 2 u

Bruce Barley KB0PZD qrp-l#69
lbbarley@feist.com

Date: Wed, 26 Nov 1997 11:47:58 -0700
From: Niel Skousen <nskousen@scientechn.com>
To: qrp-l@Lehigh.EDU
Subject: [31369] Re: Please don't attach files
Message-ID: <3.0.3.32.19971126114758.007cf850@eaglerock.if.scientechn.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

many browsers and e.mail programs allow one to set a file size limit. Mine is set only slightly larger than the typical digest. I get the digest and anything else (80k ...) is stripped and left on the server. I get a 'go fetch' note from the program.. REALLY HELPS !

FYI in Eudora it is => Tools:Options:Checking Mail:Skip files over <80k>

Niel

Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG nskousen@scientechn.com
208.525.3742, FAX 529.4721 Idaho Falls ID WA7SSA QRP-L.119
Z-----DN33wm--- . . . -

Date: Wed, 26 Nov 1997 22:05:41 -0700
From: gsurrency@juno.com (Gary Surrency)
To: qrp-l@Lehigh.EDU
Subject: [31370] HW-9 - Some additional ideas (long)
Message-ID: <19971126.223719.3430.1.gsurrency@juno.com>

I'm still tinkering with my HW-9 and have a few more things to share. Hit delete if not interested. Thanks.

RELATIVE POWER METER MODS

With the earlier mods I made to the transmitter stages, increased BFO injection, and the increased VFO from the HW-9 mod article in QEX / QRP Power, I have more than enough transmitter output on all bands. In fact,

on 80m - 12m the output is enough to pin the relative power meter easily and that makes it hard to reduce the CW level to the 5 watt level based on the relative power reading without using some care. So I made a few changes in the relative power sensor that feeds the meter.

Since Heath only spec'd the rig for 3 - 4 watts output, a few minor changes are necessary after increasing the the output to ~ 5 watts.

I replaced 10k resistor , R431 with a 12k resistor. This reduces the voltage to the meter circuit and makes the meter sensitivity more in line with the true maximum output of the rig, which on mine is as great as 9 watts on the lower bands. To keep the meter from pinning and slamming against the full scale limits, I placed a IN4242 12 volt zener diode (R/S pn. 276-563, 2 for \$0.99) from the cathode of D408 to ground. A smaller wattage zener diode would be fine, I just had the 1 watt unit in the junk box.

There wasn't a good point on the top of the PCB to place this diode, so I put it on the underside of the PCB. This zener limits the relative power sensor to an output of 12 volts and sets the meter's maximum range to the 60db over S9 limit. 5 watts shows up at about 40db over S9 on all bands now, and I find it much easier to judge the power output from the meter reading even if I don't switch the WM-1 on. The scale seems to be more meaningful with the maximum reading limited by the zener, and the needle is no longer slamming against the pin as it did before. Try it - you'll like it. :-)

Note that you should do the mod mentioned in the QEX article to the Mute line of U301 to prevent the transmitted signal from affecting the AGC / S-meter readings caused by the IF amplifier "hearing" the output signal. This can cause misleading relative power measurements. It's very easy to do this mod.

ACTIVE AUDIO FILTER MODS

The active audio filter was peaking at about 950 hz, while the IF f_C (center frequency) is about 550 hz. So I took a look at the filter's components. Heath used .001 uf ceramic discs (C339, C341, C344, C345) for the filter, which have a tolerance of 20%. All of the caps in mine were low in value, in the 850 - 980 pf range. I found some nice polyester caps (the slim green kind) and matched four with my AADE L/C meter at almost exactly 1000 pf (.001uf) to replace the ceramic discs.

The f_C is now at 710 hz, at least more in line with what was intended. A possibly better value might be .0012 uf if you can find some, or get them from Digikey as I plan to do. The polyester caps are much more stable and can be found with as good as 2% tolerances. The higher capacitance should bring the f_C down to around 600 - 650 hz to more closely match the f_C

of the IF filter. I'm going to try and adjust the BFO frequency slightly to see if I can get the IF and AF f_c to be more closely matched.

All of my other rigs use green polyester caps in the AF filters, and they perform as designed. While you're at it, you might want to replace C338 on U304B, the low-pass filter. I have found that many of the glass axial monolithics Heath used in the HW-9 are waaaaay off value, and a good .01 uf cap for C338 should bring the filter's low-pass characteristics back in line. Some of the glass caps were as much as 0.194 uf in value! Use a .01 uf polyester cap instead of the glass axial unit.

While you're at it, check the associated resistors in the low-pass and band-pass filters to be sure they are all within a few percent of the schematic value. For some reason, Heath used very high value resistors in these filter networks, and that just contributes to more noise. My other rigs' audio filters use caps that are a decade larger, i.e. .012 uf, so the resistors are much smaller and the developed noise is less. The QEX article reprinted in QRP Power used a completely different set of RC values for the active filter, but some of the values may be hard to find. If you can find the parts in that article, it may be a better design. I just used what I had, and will probably try to collect the parts in the article to try at a later date. The improvement I found in the filter's behavior was good, but it's still not the equal of the Tac-1 and ARK30 filters.

SOLUTIONS TO LOW POWER OUTPUT

While corresponding with another list member, I have found some areas to check if your transmitted output is low. First, be sure one of the final PA's is not blown. Get some larger heat sinks for Q405 & Q406. I used NTE401's. They just fit under the plastic band switch, and you can move one of the old heat sinks to Q404. This is necessary if you want to preserve the MRF237's at power levels near 5 watts. They are pretty tough, but the larger heat sinks are welcome insurance to your peace of mind. :-)

Be sure diode D407 isn't shunting RF output from the PA's output. While transmitting on 80m into a dummy load at full output, it should *not* get warm. If it does, change it out with another 1N4149 and check C443. If C443 is much over .01 uf, it should be replaced with a smaller value. It is probably OK to use .005 uf or even .001 uf, but the sensitivity might suffer a little on the lower bands. I found I didn't have to use less than a .01 uf if I used a good 1N4149 diode at D407. Insure the bias network for the diode switch is working OK, and check the components for failure or out-of-spec values.

Forget trying hot-carrier diodes or small PIN diodes for D407 without completely redesigning the bias network Heath uses, as they will quickly

fail without the proper bias currents. The IN4149's have greater breakdown voltage ratings, and are more rugged than the PIN or hot-carrier types without the required bias changes. The QEX has complete details on using PIN diodes, but it's a difficult mod to do and the space is very limited around the T/R switch area. The Heath design will work OK, but some work is necessary to find and use decent components. Increasing the RF output to 5 watts or more exposes the shortcomings of Heath's design. A pair of back to back diodes would probably be a *much* better idea.

Low output can be a result of poor BFO drive, and / or VFO drive. I covered this in an earlier posting, but it should be mentioned again. Use the RF detector Heath provided on the Oscillator board, and verify the BFO, VFO, HFO, and Premix outputs are adequate. Good BFO injection is essential to the SBL-1 dbm. If all of that checks out, then try changing Q401 to a MPS2222a, and Q402 to a MPS3904. My HW-9's output on 80m would fall off rapidly from 9 watts to as little as 3 watts in a few seconds until I replaced Q404. The output was fine on all other bands, so this was a little odd to observe it on only 80m! But a new Motorola 2N3866 did the trick, and increased the output on 10m too. Check my other HW-9 post for additional details on transmitter mods.

If anyone has done the QEX article mod to the PA stage that "flattens out" the gain-vs-frequency characteristics. I would like to know how it worked, and what you thought. E-mail me direct. I'm still contemplating that mod, and may try it if the results were good. The rig needs some form of "ALC" to control the maximum power output on the lower bands. I'm looking at a way to use the relative power output to accomplish this, but the QEX mod might be the better way to go.

SIDETONE THOUGHTS

I am disappointed with the poor sidetone waveform, so I leave it turned off. If you feel the same way about the sidetone, but reducing the sidetone adjustment to minimum doesn't completely eliminate it, change R367 from 150k to 220k. This should do the trick. If anyone has ever seen a decent circuit to make a sidetone oscillator using op-amps, I would like to know about it. All of them I have seen produce lousy waveforms. Why everyone doesn't just use the "twin-T" oscillator is beyond me. I simply can't stand anything but a clean sine wave sidetone, so I usually use another receiver for monitoring my signal. Perhaps a RC phase shift network is the solution, but the "twin-T" is simpler and produces a sine wave with a single transistor! Oh well.

Thanks for the bandwidth, and let me know what you think if these mods

are useful to some of you who have the HW-9.

references:

QEX, October 1990, pgs. 3-9

Reprinted in: QRP Power, copyright 1996 by the ARRL, pages 3-26 to 3-32

72,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

Date: Wed, 26 Nov 1997 13:29:06 -0500
From: "William F. Nicolson Jr" <n2wf@erols.com>
To: Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31371] Re: NorCal / K8FF Paddles
Message-ID: <347C6A72.9E4FADE6@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Jim,

Thanks for the kind reply, and yes some of the replies I received were heated!
I guess I don't blame them after seeing the result of my post. Sorry for the
band width, I will never do it again.

Jim Eshleman wrote:

> Bill,
>
> Yikes! Please don't post data files (pictures, etc) to the QRP-L list.
> Perhaps someone could put it on a web site or something. This is a real
> sore point with some folks so I'll say *sorry* in advance if you received
> any nastygrams about it. Let me know if you need any pointers to someone
> that could store the picture on a web site for you.
>
> 73
> Jim N3VXI

Date: Wed, 26 Nov 1997 15:32:27 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [31372] FS: S&S ARK20, TAC-1/40, MFJ-9420 w/CW, partial A&A 20m rig
Message-ID: <Pine.LNX.3.95.971126152237.30768A-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Offers considered on everything. All equipment is in pristine condition and is going basically unused, which is the reason I've put it up for sale.

Ark 20, built like a tank. External speaker, pushbutton tuning, covers 14.000 - 14.150 MHz, 5 watts out, with keyer and audio filter. Extruded aluminum case. RIT. Manual. \$300 new as a kit, asking \$240, factory-aligned.

S&S Engineering TAC-1 with keyer, 40 meters. Digital-tuned, synthesized rig, perfect shape with manual, etc. \$240 as a kit, asking \$215. Very rugged, completely functional, factory-aligned.

A&A Engineering 20m rig, missing some ICs. With case, etc. Great shape, never finished. \$70.

MFJ-9420 SSB QRP rig, 10w PEP. Manual, CW adaptor, Radio Shack hand mic. \$200 complete.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 80 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* Charter member, Maryland Milliwatters * W3-VK on 3w mobile CW *
*** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***

Date: Wed, 26 Nov 1997 12:38:19 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: cqclist@lists.csn.net, qrp-l@Lehigh.EDU
Subject: [31373] CQC Member Name Badges
Message-ID: <199711261938.MAA03949@bobcat.sni.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The Colorado QRP Club now has an official name badge, available to

members at a cost of \$6 post-paid.

The badge has blue lettering on a white background, showing member's first name, member number, and callsign. In the upper left corner is the CQC logo, printed in red on a white boss with black background.

To order your badge, send check or m/o to the club po box--
Colorado QRP Club
PO Box 371883
Denver CO 80237-1883

The club will supply a pendant for attachment to the badge for officers and committee chairmen.

73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com/mthome>
(303)752-3382
--

Date: Wed, 26 Nov 1997 12:39:15 -0800
From: Blair Heinzlmeir <blairh@agt.net>
To: qrp-l@Lehigh.EDU
Subject: [31374] RF Signal Generator Kit?
Message-ID: <347C88F3.3790@agt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello all;
Does anybody on the list know of a good RF geneator kit? It would be used to help me align receiver projects that I have built up. 1-30 mhz would work out just fine.

73's

Blair VE6BJH

Date: Wed, 26 Nov 1997 15:20:17 -0500 (EST)
From: WD6BOR@aol.com
To: qrp-1@Lehigh.EDU
Subject: [31374] Drilling holes in Altoids type tins (again)
Message-ID: <971126152017_648841906@mrin43.mail.aol.com>

I sent this out yesturday but somehow it didn't make the list so I'll try again.

In a message dated 97-11-24 11:07:21 EST, mdwatt@usit.net writes:

<< This metal is tough -- what are people using to drill into Altoids tins?
>>
Marty,

I push a small hole in the tin with the tip of a soldering tool against a pine block then drill the hole at slow speed with a Unibit step drill. The body of the drill seems to support the tin as the hole is enlarged and the incremental steps keep the drill bit from grabbing and spinning the whole thing around like a helicopter. I use a twenty dollar variable speed 3/8" drill I picked up at Sears on sale. Most of the good quality step drills run in the \$15 to \$25 range but they are very versatile and seem to last a long time. You can touch up the cutting edge with your Dremel tool and a fine stone.

I finish off the hole with a fine round file that I found made for sharpening chain saws. A couple of those in different sizes should take care of any holes you'll need for an Altoids tin project.

Good luck,

Darrel Jones, WD6BOR

Date: Wed, 26 Nov 1997 13:25:44 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Blair Heinzlmeir <blairh@agt.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31375] Re: RF Signal Generator Kit?
Message-ID: <Pine.SOL.3.91.971126130220.14383A-100000@zia>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 Nov 1997, Blair Heinzlmeir wrote:

> Hello all;
> Does anybody on the list know of a good RF geneator kit? It would be used
> to help me align receiver projects that I have built up. 1-30 mhz would
> work out just fine.
>
> 73's
>
> Blair VE6BJH

I am building up a simple (no toroids) VFO and VXO right now for the "Hints and Kinks" column in the next (Winter) QRPp. It will be illustrated for building "ugly" primarily for those wishing a start in the 2N2 building contest. It will have the component values for 7MHz, as a 2N2222 40M direct-conversion VFO, or for general coverage to use as a poor man's signal generator. Although, it won't go from 1-30 MHz in one clean sweep -hi. (Might need a little bandswitching for that).

It is two 2N2222's, uses a fixed 2.2uH inductor, a couple of fixed caps and a 1N4004 for the tuning for the 7MHz version, and includes a third 2N2222 for forming the 700Hz T-R offset and a zero-beat function. The prototype uses a trim pot on the emitter follower output stage, for adjusting the output from small signal levels to +10dBm ... sufficient for driving most any mixer scheme.

It's a fairly simple circuit, and will try to load up the schematic in ascii style and post to the group in a couple of weeks.

BTW, when I first built it and fired it up before adding the range scaling caps, it tuned from 6.930 MHz to 7.153 MHz ... that's right, almost FULL BAND COVERAGE of the new proposed 2002 band scheme or whatever it's called. So the first project to get QRPers on the new band plan is done -hi.

Happy turkey day,
Paul NA5N

Date: Wed, 26 Nov 1997 15:40:46 -0500

From: Richard Sherman <srichard@aldus.northnet.org>
To: qrp-l@Lehigh.EDU
Subject: [31376] Inductor Marking
Message-ID: <3.0.1.32.19971126154046.0077f088@aldus.northnet.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,

I need some help identifying the value of an inductor. It is marked 2R2. Best I can figure is it's 200 something Henries. I think this has been discussed on QRP-L before but I've been unable to find any reference to it on my 'pooter. Thanks in advance.
72 de Rick WZ2T NNY Franklin County

srichard@northnet.org
---If you're not part of the solution,
You're part of the precipitate.---
Steven Wright

Date: Wed, 26 Nov 1997 13:55:31 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Richard Sherman <srichard@aldus.northnet.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31377] Re: Inductor Marking
Message-ID: <Pine.BSI.3.96.971126134810.18719C-100000@usr03.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 26 Nov 1997, Richard Sherman wrote:

> Hi All,
> I need some help identifying the value of an inductor. It is marked 2R2.
> Best I can figure is it's 200 something Henries. I think this has been
> discussed on QRP-L before but I've been unable to find any reference to it
> on my 'pooter. Thanks in advance.
>

It's 2.2 microhenries or nanohenries, depending on the manufacturer. Inductor markings are weird, especially with Coilcraft. Their dots on the surface mount inductors are in 10^N nanohenries, but then those small inductors are unique in size.

Banded moulded inductors tend to be in microhenries, and I've noticed that most surface mount inductors are in nanohenries.

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Date: Wed, 26 Nov 1997 14:26:37 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: cwc@bobcat.sni.net, qrp-l@Lehigh.EDU
Subject: [31378] Homebrewed Sierra
Message-ID: <199711262127.0AA07059@bobcat.sni.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

As CQC members will know, Nick KG5N CQC #146 homebrewed a NorCal Sierra and wrote it up for The Low Down (#22).

Four pictures of Nick's rig are now available on the club web site:

<http://www.mtechnologies.com/mthome/cqclld.htm>

73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...

<http://www.mtechnologies.com/mthome>
(303)752-3382

--

Date: Wed, 26 Nov 1997 15:32:16 -0700
From: Larry East <wlhue@amsat.org>
To: qrp-l@Lehigh.EDU
Subject: [31379] S38 Woes...
Message-ID: <3.0.3.32.19971126153216.00926e40@eloi>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

After working on my S38 off and on (mostly on...) since mid July, I think that I FINALLY have all the bugs tamed. What a frustrating experience; even worse than the one and only Ramsey kit that I finally got working! Problems encountered and fixed: Audio amp instability, sever instabilty problems with the 74HC240 "driver", 12MHz SW feedthru in the receiver, low xmitter drive out of the second mixer due to a bad diode, RF getting into the VXO (with 5W amp mod) causing the output frequency to shift with output power level, and, of course, the infamous keying thump. The RF feedback problem (yes, I installed the suggested TR switch mod...) was made worse by a series tuned circuit I installed to eliminate the 12MHz feedthru problem. About 99% of the HX240 stability problem resulted from insuficient RF drive; partly due to the bad diode and partly due to the circuit design. I now have almost as many parts on the bottom of the board as on the top! I also have one of the most expensive "\$30" transceivers in existance!

A note on the second mixer diode problem: I replaced the original 1N914 used for D6 (yes, I bypassed the cathode...) with a 1N4007. The original diode checked OK DC-wise, but it was NOT completely shorting C21 to ground on transmit. This resulted in low 12MHz oscillator output on transmit and a crapy looking oscillator waveform. Replacing the 1N914 with a 1N4007 completely eliminated the problem. Has anyone else experienced this?

A note on the thump: It is 99.999% due to the small amount of feedthru from the 4066 "electronic switch" control input and signal output. (The audio amp has a gain of about 1000; thus a 1mV switching transient gets amplified into a 1V thump!) It is NOT due to 8V power bus transients. You can prove this to yourself by simply removing C15; the "thump" will no longer be present (neither will there be any receiver output, so this is NOT a cure :-). Any slight clicks still present can be completely eliminated by stiffer power bus bypassing, but the "thump" will still be there when C15 is reinstalled. An FET switch following the 4066 reduces the resounding thump to a just slightly annoying click.

A note on the 74HC240 high speed CMOS gate: As pointed out by several folks, these things should NEVER be used with floating (DC wise) inputs! You will note that the only thing tied to the U4A input is a coupling cap -- there is no DC path to ground or Vcc. As long as the RF input signal peaks are well above the switching threshold of the CMOS gate (approximately $0.45 * V_{cc}$, or about 3.6V in this case), the thing pretty much behaves itself. However, when the input voltage peaks are near the switching threshold, all hell breaks loose: The thing will oscillate and maybe lock-up. If the voltage is below the switching threshold, then the thing will certainly oscillate and/or lock-up. OK, just put a resistor to ground should solve the problem. WRONG! This results in too much loading on the driver (even 10K!) causing the input to drop near the switching threshold voltage, again causing problems. My "final solution" was to boost the output of the 2N3905 predriver (TR1) sufficiently to insure that the PP voltage on pin 11 of U4A is at least 4V for any setting of TC2 (U4A input is still floating). I did that by adding an FET buffer after the VX0 and by link coupling the base of TR1 to L2.

So, what have I learned from all of this? Well,

- 1) DO NOT try to do electronic switching on low level audio signals unless you can completely eliminate (or be prepared to live with) small switching transients, and
- 2) don't try to use CMOS gates as RF amplifiers!

Have a good holliday, y'all.

72, Larry W1HUE

Date: Wed, 26 Nov 1997 17:37:43 -0500
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: qrp-l@Lehigh.EDU
Subject: [31380] OP-AMPS
Message-ID: <3.0.1.16.19971126173743.2b8f0c7a@mail49.mci2000.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

Gang - I finally got to the end of the line on the op-amp question that I posted to the group. After some digging, I ordered a few SGS-Thomson TS912 and some TI TLC272. Both are CMOS, and advertised as rail-to-rail. They work great! The TS912 also will source and sink over 75 ma. Put one in the audio stage of the 17S, and it works much better than the 5532, when driving

a speaker. No distortion now on loud signals, so that was a good move.

So if you need an op-amp that will act as a real voltage follower, with very little error, even from a single supply, try one of the above. Mouser carries both parts, as do others. Usual disclaimers ya da ya da ya da!

72 and Happy Thanksgiving to all.....Jim

```
Jim Kortge, K8IQY (ex NU8N) | NorCal, QRP-L
jokortge@mci2000.com | __o H.F. bicycle mobile
Fenton, MI | _`<, Mizuho 17/40 SSB
... .. (*)/(*) . . . . .
NorCal 38S/30 Log - 34 States; 40 Countries - Running 3 watts
Most recent - Iowa Mauritius
```

```
NorCal 38S/17 Log - 18 States; 32 Countries - Running 1.5 watts
Most recent - New Mexico S. Africa
```

Date: Wed, 26 Nov 1997 14:51:48 -0700
From: "Michael Fletcher" <kl7ixi@mailcity.com>
To: qrp-l@Lehigh.EDU
Subject: [31381] Black wrinkle paint available Fred Meyer
Message-ID: <DDBPIBFDOPAMBAAA@mailcity.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello campers,

I found black wrinkle paint in the automotive paint section at Fred Meyer for \$2.89 a can. Imagine, paint guaranteed to have rough spots! Freddie's also had mag wheel polish which, according to the label, doubles as jeweler's rouge. The Dremel tool section didn't have any polishes or compounds available.

72,
Mike KL7IXI

Get your free and private web-based e-mail from our new partner at <http://www.mailexcite.com>

Date: Wed, 26 Nov 1997 17:49:04 EST
From: n4so@juno.com (charles k brown)
To: qrp-1@Lehigh.EDU
Subject: [31382] Cross References
Message-ID: <19971126.224738.7511.8.n4so@juno.com>

Allied Electronics has an excellent catalog to help you cross a part or help identify a part.

Allied Electronics
1-800-433-5700

10 Meters

VK4XA 28.021 at 2200 utc. First VK4 in this solar cycle.

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-1 #622
n4so@juno.com

Date: Wed, 26 Nov 1997 18:53:11 -0500
From: Richard Sherman <srichard@aldus.northnet.org>
To: qrp-1@Lehigh.EDU
Subject: [31383] Re: Inductor Marking, Problem solved Thanks
Message-ID: <3.0.1.32.19971126185311.00786f40@aldus.northnet.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Hi All,

> I need some help identifying the value of an inductor. It is marked 2R2.
>Best I can figure is it's 200 something Henries.

Thanks to everyone who took the time to reply. As has been stated many times before, this group is the friendliest, most helpful around. The consensus is my mystery inductor is 2.2uH, with the R being a decimal point rather than the number after it representing it being the number of zeroes. I originally thought it was a decimal point but got confused by an entry in the ARRL Handbook indicating it may have something to do with the number of zeroes. Anyway the original was out of a Goldstar TV and was open, a 2.2uH inductor from my still unfinished 49er fixed the problem. Thanks again for all the help. Oh, and when I said 200 something Henries, I meant it as is it 200 milli or micro Henries.

72 de Rick WZ2T NNY
srichard@northnet.org

End of QRP-L Digest 921
